Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

ESPRIMO™ E Green PC
Small Form Factor PC

Issue January 2006

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Put your performance on the desk. The ESPRIMO E is a small form factor PC that can either positioned vertical or horizontal. With its chipset diversity and a managed lifecycle up to 18 month, the ESPRIMO E is the right solution for customer requiring a high quality desktop.

ESPRIMO professional PCs are built with specially selected material to minimize impact on the environment. Production and selection of material is optimized to the aspect of environmental consciousness. Development, production, transportation and recycling are aligned to strong internal environmental directives.

Working with the ESPRIMO E Series is stress-free: it is ergonomic, silent and reliable. It is easy to administer and secure. Different product specifications are the basis to fit the ESPRIMO E best in your working environment. In short, this highly reliable PC is particularly tailor-made to your business demands.

Reliability

- Virtual multi-processing with Hyper-Threading technology
- Best-in-class manufacturing winning the Industrial Intelligence Award 2003 and the Ken Sharma Award 2002
- High quality and function stability made in Germany through own development and manufacturing
- Short reaction and transportation time
- Stable system with smooth combination of mainboard and cabinet
- Your choice of supply concept for in-time and tailored delivery: value4you, made4you
- Warranty, service and spare part supply according to your needs

Manageability

- Easy and remote administration with DeskView client management
- ManageIT: software suites with best integration into your IT environment optionally available

Security

- Easy and secure access and data protection for your business intelligence
- SecureIT: software suite with best integration into your IT environment

Tailor-made

- Fully configurable: processor, memory, drives, boards
- Your individual choice of hardware, software and design

Ergonomics

- Product and manufacturing concept to minimize the impact on the environment
- Reduce downtime with service-friendly cabinet and easy component access
- Stress-free working and silent operation due to low sound level
- Flexible use of external bay fitting your requirements as optical or hard disk drive
- Enhance productivity with EasyChange and EasyFix: tool less access to hard disk drive, optical drive, cards
- Enhanced flexibility with FlexySlots:
  Low profile and standard PCI cards useable in flexible extension slots (optional)
- Excellent resolution and video quality with on board graphics
- Convenient front access to USB and audio
- Internal speaker to play audio files
- Blue Angel certification due to low energy consumption and recyclability
- Flexible usage as tower or desktop to your convenience

PC Professionell Empfehlung der Redaktion Bestenliste
Ausgabe 12/05 Esprimo E

PC Professionell Budget Empfehlung Bestenliste
Ausgabe 12/05 Esprimo E

Bäst i test 2005 MikroDatorn

	E5905	E5901	E5600	E5700
Mainboard				
Chipset	i945G Express	i945G iAMT	SIS761	i915GV
Mainboard Number	D2164	D2168	D2264	D2334
Mainboard form factor	proprietary	proprietary	proprietary	proprietary
Processor socket	LGA 775	LGA 775	AMD 939	LGA 775
Front side bus resp. system bus support	533/800/1066 MHz	533/800/1066 MHz	2000 MHz	533/800 MHz
BIOS version	Phoenix Vers.5.0	Phoenix Vers.5.0	Phoenix Vers.5.0	Phoenix Vers.5.0
Flash EPROM BIOS update by software	x	x	x	x
Recovery BIOS	x	x	x	x
Processor				
Intel Pentium D8xx	up to D820	up to D820	-	-
Second level cache	2x1MB	2x1MB	-	-
Front side bus (FSB)	800 MHz	800 MHz	-	-
Intel P4 6xx	up to 650	up to 650	-	up to 650
Second level cache	2MB	2MB	-	2MB
Front side bus (FSB)	800 MHz	800 MHz	-	800 MHz
Intel P4 5xx	521	521	-	521
Second level cache	1MB	1MB	-	1MB
Front side bus (FSB)	800 MHz	800 MHz	-	800 MHz
Intel Celeron D	up to D346	up to D346	-	up to D346
Second level cache	256 KB	256 KB	-	256 KB
Front side bus (FSB)	533 MHz	533 MHz	-	533 MHz
Athlon 64 X2	-	-	3800+	-
Second level cache	-	-	2 x 512 KB	-
System Bus support	-	-	2000 MHz	-
AMD Athlon 64	-	-	up to 3500+	-
Second level cache	-	-	512 KB	-
System Bus support	-	-	2000 MHz	-
AMD Sempron	-	-	3000+	-
Second level cache	-	-	128 KB	-
System Bus support	-	-	1600 MHz	-
Memory				
Memory support	400/533/667 MHz	400/533/667 MHz	400 MHz	400/533 MHz
DIMM slots	4	4	4	4
dual channel support	x	x	x	x
Max. capacity DDR SDRAM 400 MHz	-	-	4GB	-
Max. capacity DDR2 SDRAM 533 MHz	4GB	4GB	-	4GB
Max. capacity DDR2 SDRAM 667 MHz	-	-	-	-
for dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same	4GB address space thereof, max. 3.0GB usable for physical main memory	4GB address space thereof, max. 3.0GB usable for physical main memory		4GB address space thereof, max. 3.0GB usable for physical main memory
for dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules)			4GB address space thereof, max. 3.0GB usable for physical main memory	
Interfaces				
Mouse/keyboard (PS2)	x/x	x/x	x/x	x/x
Serial (9pi, 16 byte FIFO, 16550 compatible)	x	x	x	x
Second serial port	optional	optional	optional	optional
Parallel (25pin with EPP and ECP)	x	x	x	x
Display (15 pin, VGA)	x	x	x	x
Display (DVI)	optional	optional	optional	optional
Micro (mono) rear	-	-	-	-
Line in (stereo) rear	x	x	x	x
Line out (stereo) rear	x	x	x	x
Micro (mono) front	x	x	x	x
Headphone in front	x	x	x	x
LAN RJ45	x	x	x	x
Universal Serial Bus (USB 2.0) in total	8	8	8	8
therefore USB rear	4	4	4	4
USB front	2	2	2	2
USB internal	2	2	2	2
Interfaces add on cards				
Dual port RS232 , serial (Sunix)	optional	optional	optional	optional
LAN on board				
10/100/1000 MBit/s	Broadcom BCM5751T	Intel 82573E	Realtek RTL8110	Realtek RTL8110
Wake up on LAN (WOL)	x	x	x	x
PXE	x	x	x	x
BootP	optional	optional	optional	optional
LAN add on cards				
WLAN 802.11b/g (intern USB), module	optional in 3.5" bay	optional in 3.5" bay	optional in 3.5" bay	optional in 3.5" bay
Gigabit Ethernet, SysKonnect	optional	optional	optional	optional
Audio on board				
Internal speaker supports audio playback	x	x	x	x
AC97	-	-	Realtek ALC655	-
High definition audio	Realtek ALC260	Realtek ALC260	-	Realtek ALC260
I/O controller onboard				
Fast IDE/Ultra DMA-100 bus master capability	for 2 drives	for 2 drives	for 2 drives	for 2 drives
Serial ATA	2	2	2	2
Serial ATA II (NCQ/3GBit)	-/x	-/x	x/-	-
Raid 1/0	-	-	x	-
Drive bays	3	3	3	3
internal 3,5''	1	1	1	1
external 3,5"	1*	1*	1*	1*

external 5,25"	1* * optional internal 3.5"	1* * optional internal 3.5"	1* * optional internal 3.5"	1* * optional internal 3.5"
Floppy disk drive 1.44 MB standard	optional	optional	optional	optional
Hard disk drives				
Serial ATA 40 GB	x	x	x	x
Serial ATA II 40 /80 / 160 / 250 GB supporting NCQ and 3GBit (if chipset support is available)	-/x/x/x	-/x/x/x	-/x/x/x	-/x/x/x
Optical drives (IDE)				
48-speed ATAPI CD ROM	optional	optional	optional	optional
16/48-speed ATAPI DVD ROM	optional	optional	optional	optional
48/24/48/16-speed ATAPI CD-RW / DVD ROM	optional	optional	optional	optional
DVD SuperMulti writer double layer support	optional	optional	optional	optional
24/10/24/8-speed ATAPI CD RW / CD ROM slim	-	-	-	-
Multibay 24/10/24/8 CD RW / DVD ROM slim	-	-	-	-
Multibay DVD writer	-	-	-	-
Optical drives (SATA)				
16/48-speed DVD ROM				
48/24/48/16-speed CD-RW / DVD ROM				
DVD SuperMulti writer double layer support				
24/10/24/8-speed CD RW / CD ROM slim	-	-	-	-
Slots				
PCI	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile	2 (190 mm) low profile
PCI Express x16	1 (210 mm) low profile	1 (210 mm) low profile	1 (210 mm) low profile	only ADD2(DVI) support
PCI Express x1	1 (210 mm) low profile 1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 (210 mm) low profile 1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 (210 mm) low profile 1 PCI Express x16 low profile (190mm) and 2 PCI full height (174/210 mm) optional	1 (210 mm) low profile 1x low profile (DVI support) and 2 PCI full height (174/210 mm) optional
Graphic on board	Intel® GMA950	Intel® GMA950	SiS761	Intel® GMA900
Shared memory depending on driver	up to 224MB	up to 224MB	32, 64 or 128MB	up to 128MB
Resolution (color depth up to 32 Bit/pixel)				
1024 x 768 (recommended / max*)	85 / 120 Hz	85 / 120 Hz	85 Hz	85 / 120 Hz
1280 x 1024 (recommended / max*)	85 / 120 Hz	85 / 120 Hz	85 Hz	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 Hz	85 Hz	60 Hz	85
1440 x 900 widescreen TFT (VGA / DVI)	- / x	- / x	x / x	- / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x	x / x	- / x	x / x
1920 x 1200 widescreen TFT (VGA / DVI)	x / x	x / x	- / -	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.				
Graphic add on cards				
nVidia GeForce FX 6200TC 128MB, dual DVI/VGA	-	-	-	-
nVIDIA Quadro NVS280 64 MB, Dual DVI, LP	optional	optional	optional	-
nVIDIA GeForce FX 7xxx 128MB,…	optional	optional	optional	
DVI extension adapter	optional	optional	from 1/06	optional
Electrical values				
Rated voltage	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V
Rated frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Max. output of power supply	270 W	270 W	270 W	270 W
Monitor outlet	yes, switched	yes, switched	yes, switched	yes, switched
Power consumption for standard configuration (W)				
Peak (running app. CD in use)	180W	183W	103W	174W
Average (running OS, Idle mode)	80W	78W	54W	67W
Minimum (ACPI status S5, soft off)	1,2W	1,5W	1,7W	1,5W
Heat dissipation (kJ/h / BTU/h)				
Peak (running app. CD in use)	648 kJ/h / 615 BTU/h	659 kJ/h / 625 BTU/h	371 kJ/h / 352 BTU/h	627 kJ/h / 594 BTU/h
Average (running OS, Idle mode)	288 kJ/h / 273 BTU/h	281 kJ/h / 267 BTU/h	195 kJ/h / 185 BTU/h	242 kJ/h / 229 BTU/h
Minimum (ACPI status S5, soft off)	4,3 kJ/h / 4,1 BTU/h	5,4 kJ/h / 5,2 BTU/h	6,1 kJ/h / 5,8 BTU/h	5,4 kJ/h / 5,2 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h				
Noise for standard configuration				
A weighted sound power level Lwad / Workplace related A-weighted sound pressure level LpAm (bystander position) (ISO9296)				
LWAd in B / LpAm in dB (Idle mode)	3,4B / 19dB	3,4B / 19dB	3,6B / 21dB	3,4B /19dB
LWAd in B / LpAm in dB (office work)	3,9B / 24dB	3,9B / 24dB	3,9B / 24dB	4,1B /26dB
LWAd in B / LpAm in dB (Operating, HDD performance)	4,0B / 26dB	4,0B / 26dB	4,1B / 25dB	4,1B /27dB
Ambient temperature (IEC 721)	15°C - 35°C	15°C - 35°C	15°C - 35°C	15°C - 35°C
Dimensions (H x W x D)	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm	100 x 340 x 380 mm
Weight (depending on config)	approx. 10 kg	approx. 10 kg	approx. 10 kg	approx. 10 kg
Approvals and standards				
CE certification according to EU Directives 89/336/EEC (EMC) and 73/23/EEC (Product safety)	x	x	x	x
Ergonomics ISO9241 (GS mark)	x	x	x	x
Product safety IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	x	x	x	x

Electromagn. compatibility	x	x	x	x
EN55022/B, FCC class B, EN55024, EN61000-3-2/3				
Environmental compatibility				
Energy Star	x	x	x	x
Blue Angel	x	x	x	x
Nordic Swan	x	TBD	TBD	TBD
Software (compatibility / preinstalled)				
Microsoft Windows 2000	x / -	x / -	x / -	x / -
Microsoft Windows XP Home	x / optional	x / optional	x / optional	x / optional
Microsoft Windows XP Professional	x / optional	x / optional	x / optional	x / optional
Microsoft Windows XP Professional x64 Edition	x / optional	x / optional	x / optional	- / -
Microsoft Windows Vista™	capable	capable	capable	capable
Linux	planned	planned	planned	planned
Additional Software				
Drivers and Utility CD (DUCD)	included	included	included	included
XONTROL (noise reduction for optical drives)	included	included	included	included
F-Secure virus Scanner	included	included	included	included
SafeStandby	included	included	included	included
Recover Pro disaster recovery solution	optional	optional	optional	optional
Others				
Thermal Management	x	x	x	x
Keyboard on switch supported	x	x	x	x
Spare part availability	5 years	5 years	5 years	5 years
Compatibility (references)				
Microsoft Operating Systems (HCT / HCL entry)	x	x	x	x
PC 2001, DMI 2.0, WMI 1.5, USB 2.0, Hyper-Threading	x	x	x	x
Manageability				
DeskView 10.x client management including:				
On/Offline remote client management	x	x	x	x
Detailed system inventory management and reports	x	x	x	x
BIOS Management	x	x	x	x
Remote power management	x	x	x	x
System notifications	x	x	x	x
Advanced alerts (ASF implementation)	x	-	-	-
Security Remote Control	x	x	x	x
DeskView Helpdesk Integration	x	x	x	x
DeskUpdate Driver management	x	x	x	x
DeskView Migrate	optional	optional	optional	optional
DeskView Control	optional	optional	optional	optional
PXE 2.1 Boot code	x	x	x	x
BootP Boot Code including Bootmanage Administrator Software	optional	optional	optional	optional
Wake up from S5 (off mode)	x	x	x	x
Intrusion switch	optional	optional	optional	optional
Security				
Security functions implemented in the cabinet: Prepared for Kensington lock, eye for padlock, seal option	x	x	x	x
Integrated cabinet lock	optional	optional	optional	optional
Access protection via external SmartCard reader	optional	optional	optional	optional
Access protection via internal SmartCard reader	optional	optional	optional	optional
Fujitsu Siemens Computers MEMORYBIRD Security	x	x	-	-
Embedded security (TPM1.1)	optional	x	-	-
System Lock	x	x	-	-
SecureIT Suite	optional	optional	optional	optional
Security function implemented in the BIOS, including:				
Write protect option for the Flash EPROM	x	x	x	x
Passwords for system and setup	x	x	x	x
Password for hard disk	x	x	x	x
Control of external interfaces	x	x	x	x
Control of all USB interfaces / external USB interfaces detachable separately	x / x	x / x	x / -	x / -
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	x	x	x	x
Virus protection in BIOS	x	x	x	x
Serviceability				
FlexySlot	x	x	x	x
EasyFix	x	x	x	x
EasyChange (for HDD / for optical drives)	x / x	x / x	x / x	x / x
EasyPull	x	x	x	x

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